T0TAL CYANIDE DISTILLATION
SM 18th and 20th Ed. 4500-CN-C

Facility Name:_____VELAP ID_____

Assessor Name:_____ Analyst Name:_____ Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Was a 500 mL sample aliquot added to the boiling flask?	4.a				
Was an NaOH solution added to the gas scrubber?	4.a				
When S^{2-} generation from the distilling flask was anticipated, was powdered $PbCO_3$ added to the absorber solution?	4.a				
Was suction set so that approximately 1 or 2 air bubbles per second entered the boiling flask?	4.a				
Was air flow maintained throughout the reaction? *(May increase to 2 air bubbles per second if needed.)*	4.a				
Was sulfamic acid added through the air inlet tube and washed down with DI?	4.b				
Was 1+1 sulfuric acid added through the air inlet tube and rinsed with DI?	4.c				
Was air then allowed to mix boiling flask contents for 3 minutes?	4.c				
Was a Magnesium Chloride reagent added through the air inlet tube and rinsed? *(Adequate reflux rate is indicated by 40 to 50 drops per minute from condenser tip.)*	4.c				
Was mixture in boiling flask heated with rapid boiling and refluxed for at least 1 hour?	4.d				
Was heating discontinued after refluxing but air flow continued for 15 minutes prior to absorption solution removal?	4.d				
Notes/Comments:					